

Serial No. 10/077,778

Docket No.: 1450.1015

**REMARKS**

In accordance with the foregoing, claims 1 and 38 have been amended, variously, to overcome the objection to claim 38 at page 2 of the Office Action and the rejections at page 3 of the Office Action of both claims 1 and 38 under 35 U.S.C. 112, paragraph 1 and many of the remaining original claims have been amended to improve form. Further, claim 1 has been amended to clarify salient features of the invention and to distinguish over the art of record, claim 39/1 has been added and independent claim 7 has been amended to depend from claim 39/1 and new claims 40-47 have been added, all in dependent form with claim 40 depending from claim 39/1 and claims 41-47 depending directly or indirectly from claim 40. No new matter is presented and, accordingly, approval and entry of the foregoing amended and new claims are respectfully requested.

**STATUS OF CLAIMS**

Claims 26-37 are allowed.

Claims 1-10, 15 and 38 are rejected.

Claims 11-14, 16 and 17 are objected to but are indicated to be allowable if suitably rewritten into independent form.

Further, claims 2, 3, 5 and 6 are amended to depend from new claim 39/1.

Claims 1-17 and 26-47 are pending herein and are under consideration.

**PAGE 2: OBJECTION TO CLAIM 38**

It is submitted that claim 38, as amended herein, is responsive to the Examiner's suggestions and overcomes the objection thereto set forth in the action at page 2. Accordingly, withdrawal of the objection is respectfully requested.

**PAGE 3: 35 U.S.C. 112 ¶1 REJECTION OF CLAIMS 1-6 AND 38**

The §112 ¶1 rejection relates principally to claim 1, regarding the original recitation therein of "pseudo access..." as set forth in the Action at page 3.

The foregoing amendments to claim 1 delete the recitation of "pseudo access," and thus claim 1 as now pending is submitted to clearly define each of buses and terminals and the operation of the controller in relation thereto.

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Accordingly, there being no prior art rejections of claim 1 or its original dependent claims, it is submitted that all thereof are now allowable.

Moreover, claim 1 clearly, patentably distinguishes over the art of record. For example, claim 1 sets forth a relationship of a controller having first and second internal terminals connected to first and second memory buses and an external terminal connected to an external bus and transferring data between non-volatile and volatile memories through the respective first and second internal terminals and the further condition set forth in the closing paragraph wherein, when data transfer is not performed, the controller controls access from the exterior to the volatile memory through the external terminal and the second internal terminal, in accordance with an instruction transmitted through the external bus.

It is respectfully submitted that such structural arrangements and related functional performance are not taught by, or even suggested in, Williams et al.

**PAGES 4-5: REJECTION OF CLAIMS 7-10 AND 15 FOR ANTICIPATION UNDER 35 U.S.C.  
102(e) OVER WILLIAMS et al. (USP 6401168)**

Claim 7 is now amended to depend from new claim 39/1; accordingly, claim 7 and claims 8-17, which depend directly or indirectly therefrom, are submitted to be allowable, as is claim 38/1, by inheriting the patentably distinguishing limitations of claim 1 and, further, in view of the respective new recitations of each thereof.

**CONCLUSION**

In accordance with the foregoing, it is respectfully submitted that the pending claims distinguish patentably over the prior art and the rejections of record, and there being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

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If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

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By:   
H. J. Staas  
Registration No. 22,010

1201 New York Avenue, NW, Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

CERTIFICATE OF FACSIMILE TRANSMISSION  
I certify that I am the registered agent for  
the firm of STAAS & HALSEY LLP, Commission  
Box 1450, Alexandria, VA 223, 3-1450  
Date 3-8-05